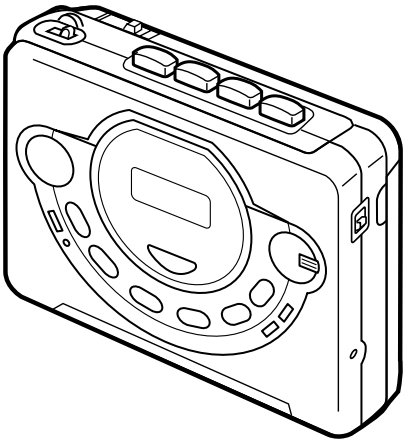
aiwa
SERVICE

HS-TX706 YU



SERVICE MANUAL

STEREO RADIO
CASSETTE PLAYER

BASIC TAPE MECHANISM : 8ZM-3 P2N

aiwa

S/M Code No. 09-99C-423-1R1

REVISION

SPECIFICATIONS

Frequency range: AM: 530/531 – 1.710/1.602 kHz (10/9 kHz step)
531 – 1.629 kHz (9 kHz step)
FM1,FM2: 87.5/87.5 – 108.1/108 MHz (200/50 kHz step)
76 – 108 MHz (100 kHz step in 76 – 90 MHz,
50 kHz step in 90 – 108 MHz)
TV:

2ch	59.75 MHz
3ch	65.75 MHz
4 ch	71.75 MHz
5ch	81.75 MHz
6ch	87.75 MHz
7ch	179.75 MHz
8ch	185.75 MHz
9ch	191.75 MHz
10ch	197.75 MHz
11ch	203.75 MHz
12ch	209.75 MHz
13ch	215.75 MHz

WEATHER:

1ch	162.550 MHz
2ch	162.400 MHz
3ch	162.475 MHz
4ch	162.425 MHz
5ch	162.450 MHz
6ch	162.500 MHz
7ch	162.525 MHz

Maximum output: 12 mW + 12 mW (EIAJ/32 ohms)
Power source: Battery DC 3V, R6 (size AA) x 2
Domestic AC power (using optional AC adaptor: AIWA AC-D302)
Battery life (EIAJ, 1mW output,playback): Approx. 7 hours using size AA (R6P) manganese batteries
Approx. 24 hours using size AA (LR6) alkaline batteries
Maximum dimensions (W x H x D): 111.3 x 88 x 32.5 mm ($4^1/_2$ x $3^1/_2$ x $1^5/_{16}$ inches)
Weight (excluding batteries): Approx.147 g (5 oz)

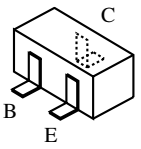
• Design and specifications are subject to change without notice.

ELECTRICAL MAIN PARTS LIST

REF.NO.	PART NO.	KANRI NO.	DESCRIPTION
IC			
	87-A20-461-040		C-IC,MM1336DF
	87-A20-745-040		C-IC,TA2030FN
	87-A21-215-040		C-IC,TA2104AFN
	87-A21-272-010		C-IC,TC9318FB-046
	87-A20-904-080		C-IC,TK11823MTL
TRANSISTOR			
	87-026-411-080		C-TR,RN1304
	87-026-429-080		C-TR,RN2311
	87-026-417-080		C-TR,RN1310
	87-A30-085-070		C-TR,CSA1362GR
	89-327-143-080		C-TR,2SC2714O
	89-342-154-080		C-TR,2SC4215Y
	87-026-418-080		C-TR,RN1311 (0.1W)
	89-341-165-080		C-TR,2SC4116GR
DIODE			
	87-A40-485-070		C-VARI-CAP,SVC208
	87-017-925-070		C-VARI-CAP,KV1460
	87-A40-462-040		C-VARI-CAP,SVC347(S)
	87-001-142-080		DIODE,1SS294 (100MA)
MAIN C.B			
BPF101	87-A91-679-010		FLTR,GTVSB3-C1
C1	87-012-274-080		C-CAP,U 1000P-50 K B
C2	87-012-274-080		C-CAP,U 1000P-50 K B
C3	87-A11-189-080		C-CAP,TN 47-4 BM004R
C4	87-A11-189-080		C-CAP,TN 47-4 BM004R
C5	87-A11-189-080		C-CAP,TN 47-4 BM004R
C6	87-A10-263-080		C-CAP,U 0.1-16 Z F
C7	87-012-199-080		C-CAP,U 220P-50 J CH
C8	87-012-199-080		C-CAP,U 220P-50 J CH
C9	87-010-786-080		C-CAP,U 0.018-25 BK
C10	87-010-786-080		C-CAP,U 0.018-25 K B
C13	87-A10-263-080		C-CAP,U 0.1-16 Z F
C14	87-A11-188-080		C-CAP,TN 22-4 AM004R
C15	87-010-503-010		CAP,E 220-4 M 5L
C16	87-A10-263-080		C-CAP,U 0.1-16 Z F
C17	87-A10-263-080		C-CAP,U 0.1-16 Z F
C18	87-A10-263-080		C-CAP,U 0.1-16 Z F
C19	87-012-188-080		C-CAP,U 47P-50 CH
C20	87-012-270-080		CAP, U 470P-50 K B
C26	87-012-275-080		C-CAP,U 1200P-50 B
C27	87-012-275-080		C-CAP,U 1200P-50 B
C28	87-A11-062-080		C-CAP,S 2.2-16 Z F
C29	87-A11-062-080		C-CAP,S 2.2-16 Z F
C30	87-A11-056-080		C-CAP,U 1-10 Z F
C51	87-010-503-010		CAP,E 220-4 M 5L
C52	87-A10-263-080		C-CAP,U 0.1-16 Z F
C53	87-012-274-080		C-CAP,U 1000P-50 K B
C55	87-A11-056-080		C-CAP,U 1-10 Z F
C101	87-012-286-080		C-CAP, U 0.01-25
C102	87-012-170-080		C-CAP,U 8P-50 D CH
C103	87-012-337-080		C-CAP,U 56P-50 J CH GRM
C104	87-012-274-080		C-CAP,U 1000P-50 K B
C105	87-012-272-080		C-CAP,U 680P-50 K B GRM
C106	87-012-164-080		C-CAP,U 2P-50 CH
C107	87-012-271-080		CAP, U 560P-50
C108	87-012-286-080		CAP, U 0.01-25 K B
C109	87-A11-056-080		C-CAP,U 1-10 Z F
C110	87-012-275-080		C-CAP,U 1200P-50 K B GRM
C111	87-012-169-080		C-CAP,U 7P-50 D CH
C112	87-012-193-080		C-CAP,U 82P-50 J CH
C113	87-012-272-080		C-CAP,U 680P-50 K B GRM
C115	87-012-286-080		CAP, U 0.01-25 K B
C116	87-012-286-080		CAP, U 0.01-25 K B
C117	87-012-195-080		C-CAP,U 100P-50 C CH
C119	87-012-162-080		C-CAP,U 1P-50 C CH
C120	87-012-162-080		C-CAP,U 1P-50 C CH
C121	87-010-852-080		C-CAP,E 100-4
C122	87-012-286-080		C-CAP, U 0.01-25 K B
C123	87-A10-504-080		C-CAP,U 0.047-16 K B
C124	87-012-172-080		C-CAP,U 10P-50 D CH
C125	87-012-277-080		C-CAP,U 1800P-50 K B GRM
C126	87-A10-263-080		C-CAP,U 0.1-16 Z F
C127	87-A10-025-080		C-CAP,U 0.22-16 Z F
C128	87-A10-827-080		C-CAP,U 0.47-6.3 K B
C129	87-010-787-080		C-CAP,U 0.022-25 K B
C130	87-012-176-080		C-CAP,U 15P-50 J CH
C131	87-012-271-080		CAP, U 560P-50 K B
C132	87-010-503-010		CAP,E 220-4 M 5L
C133	87-A11-056-080		C-CAP,U 1-10 Z F
C134	87-012-178-080		C-CAP,U 18P-50 J CH
C135	87-012-170-080		C-CAP,U 8P-50 D CH
C136	87-012-286-080		C-CAP, U 0.01-25 K B
C137	87-A11-056-080		C-CAP,U 1-10 Z F
C138	87-A10-420-080		C-CAP,TN 4.7-4 A TCF
C139	87-012-274-080		C-CAP,U 1000P-50 K B
C140	87-A10-025-080		C-CAP,U 0.22-16 Z F
C142	87-A11-056-080		C-CAP,U 1-10 Z F
C143	87-A10-263-080		C-CAP,U 0.1-16 Z F
C144	87-A10-025-080		C-CAP,U 0.22-16 Z F
C145	87-A10-025-080		C-CAP,U 0.22-16 Z F
C146	87-010-787-080		C-CAP, U 0.022-25 K B
C147	87-010-787-080		C-CAP, U 0.022-25 K B
C148	87-A10-263-080		C-CAP,U 0.1-16 Z F
C149	87-010-853-080		C-CAP,E 220-4 M 5.5L MV
C171	87-012-168-080		C-CAP,U 6P-50 D CH
C177	87-012-277-080		C-CAP,U 1800P-50 K B GRM
C186	87-012-195-080		C-CAP,U 100P-50 J CH
C196	87-A10-025-080		C-CAP,U 0.22-16 Z F
C201	87-010-503-010		CAP,E 220-4 M 5L
C203	87-A11-056-080		C-CAP,U 1-10 Z F
C204	87-A11-056-080		C-CAP,U 1-10 Z F
C205	87-A11-056-080		C-CAP,U 1-10 Z F
C206	87-012-174-080		C-CAP,U 12P-50 J CH
C207	87-012-176-080		C-CAP,U 15P-50 J CH
C208	87-A11-056-080		C-CAP,U 1-10 Z F
C210	87-A10-263-080		C-CAP,U 0.1-16 Z F
C211	87-A10-263-080		C-CAP,U 0.1-16 Z F
C213	87-A11-056-080		C-CAP,U 1-10 Z F
C220	87-010-787-080		C-CAP, U 0.022-25 K B
C221	87-010-505-080		C-CAP,TN 1-16 M ECS
C222	87-012-286-080		C-CAP, U 0.01-25 K B
C223	87-012-286-080		C-CAP, U 0.01-25 K B
C225	87-012-170-080		C-CAP,U 8P-50 CH
C226	87-012-337-080		C-CAP,U 56P-50 D CH
C227	87-012-167-080		C-CAP,U 5P-50 C CH
C228	87-A11-056-080		C-CAP,U 1-10 Z F
C229	87-A11-056-080		C-CAP,U 1-10 Z F
C241	87-012-277-080		C-CAP,U 1800P-50 K B GRM
C242	87-012-277-080		C-CAP,U 1800P-50 K B GRM
C243	87-012-277-080		C-CAP,U 1800P-50 K B GRM
C244	87-012-277-080		C-CAP,U 1800P-50 K B GRM
C247	87-012-274-080		C-CAP,U 1000P-50 K B GRM
C401	87-A10-706-080		C-CAP,U 0.33-16 Z F
C402	87-A10-706-080		C-CAP,U 0.33-16 Z F
CF101	87-A91-162-010		FLTR,PFS450A7
CF102	87-A90-727-010		FLTR,CFSK107M2
CF103	87-A91-313-080		C-FLTR,CDACV10.7 MG77-A-TC
IFT101	87-A90-663-010		IFT,MW 5L H6.4
J1	87-A60-438-010		JACK,3.5 BLK ST W/O SW(1537)
J2	87-A60-849-010		JACK,DC DIA 2.75 BLK
L1	87-A50-038-010		COIL,RF CHOKE 100MHZ
L101	8A-HRB-604-010		COIL,TV RF
L102	8A-HRB-605-010		COIL,FM RF YU

REF.NO.	PART NO.	KANRI NO.	DESCRIPTION
L103	8A-HRB-606-010		COIL,OSC TV
L104	8A-HRB-607-010		COIL,OSC FM YU
L105	87-A50-583-080		C-COIL,S 2.2UH K FCI2012H
L106	8A-HRB-603-010		BAR-ANT,MW
L107	87-005-742-080		COIL,100UH J SP02
L108	87-A50-606-080		C-COIL,S 1.0UH K
L201	87-A50-443-080		C-COIL,D-D(C5-S)
LCD201	8A-HRB-610-010		LCD,HS ASSY(BAND/TU)
R57	87-022-656-080		M-RES,0.68-1/8W G
R211	87-022-249-080		C-RES,U 27K 1/16W F
R212	87-022-291-080		C-RES,U 270K-1/16W F
R213	87-022-255-080		C-RES,U 47K-1/16W F
R214	87-022-247-080		C-RES,U 22K-1/16 C0 J
S1	87-A91-077-010		SW,LEAF
S2	87-A90-050-010		SW, SL 2-2-2 NS (BLK)
S3	8Z-HRB-607-010		SW,SL 2-2-2 SSZZ-S-502(S)
S201	87-A90-330-080		C-SW,SL 1-1-2 SSSS81 T1.4
S202	87-A90-232-080		C-SW,TACT SKQRAA
SFR51	87-024-050-010		SFR,1K V VZ066H1
TH51	87-A91-322-080		C-THMS,157-101-53028-TP
TH201	87-A91-188-080		C-THMS,47K(1608)NTH5G1M40B JO4
VC101	87-A91-183-080		C-TRIMMER,CER 10P TZC03
VR1	87-A91-637-010		VR,RTRY 20KCX2
X201	87-A70-173-010		VIB,XTAL 75KHZ DT-261
W1	87-A80-115-010		F-CABLE, 5P P2

TRANSISTOR ILLUSTRATION



RN1304
RN1310
RN1311
RN2311
2SC2714
2SC4116
2SC4215
CSA1362

○チップ抵抗部品コード／CHIP RESISTOR PART CODE

チップ抵抗部品コードの成り立ち
Chip Resistor Part Coding

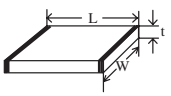
8 8 − □ □ □ □ □ □

A
抵抗部品コード
Resistor Code

桁表示
Figure

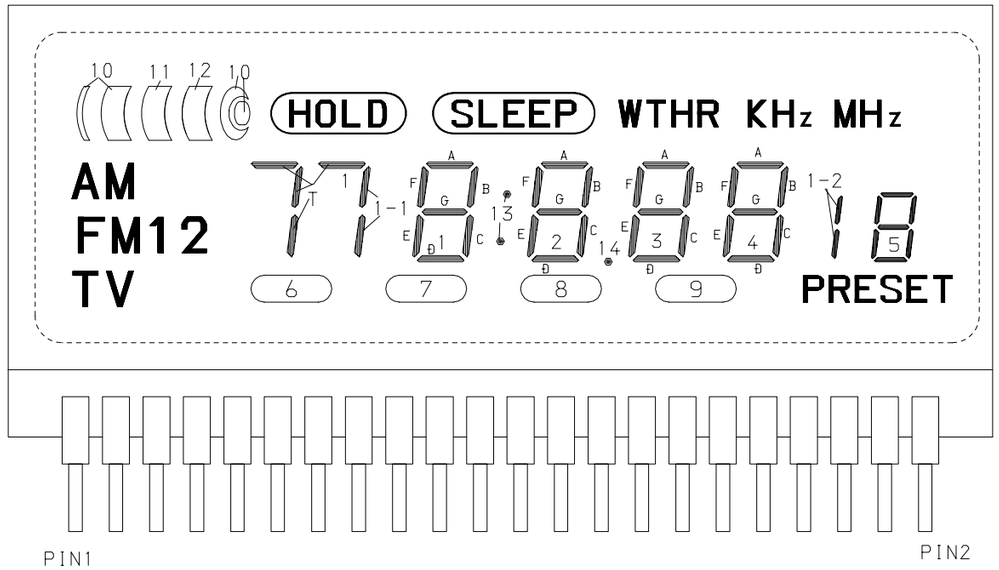
抵抗値
Value of resistor

チップ抵抗
Chip resistor

容量 Wattage	種類 Type	許容誤差 Tolerance	記号 Symbol	寸法／Dimensions (mm) 外形／Form	L	W	t	抵抗コード : A Resistor Code : A
1/16W	1005	± 5%	CJ		1.0	0.5	0.35	104
1/16W	1608	± 5%	CJ		1.6	0.8	0.45	108
1/10W	2125	± 5%	CJ		2	1.25	0.45	118
1/8W	3216	± 5%	CJ		3.2	1.6	0.55	128

LCD DIAGRAM

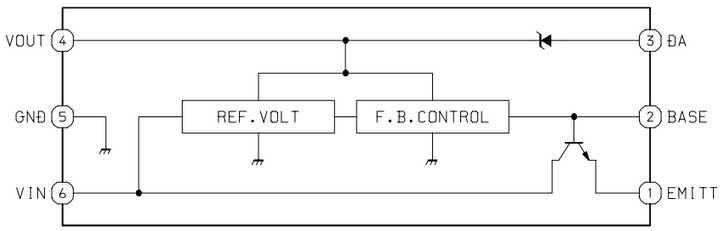
LCD201 LCD, HS ASSY (BAND/TU)



PIN NO.	COM1	COM2	COM3
1	—	—	COM3
2	—	COM2	—
3	COM1	—	—
4	WTHR	FM, MHz	AM, kHz
5	TV	2	1
6	6	11	10
7	1-1	T	12
8	1E	1F	HOLD
9	1D	1G	1A
10	7	1C	1B
11	13	SLEEP	—
12	2E	2F	2A
13	2D	2G	2B
14	8	2C	3F
15	14	3E	3G
16	3D	3C	3B
17	9	4F	3A
18	4E	4G	4A
19	4D	4C	4B
20	PRESET	5E	1-2
21	5D	5G	5F
22	5C	5B	5A

IC BLOCK DIAGRAM

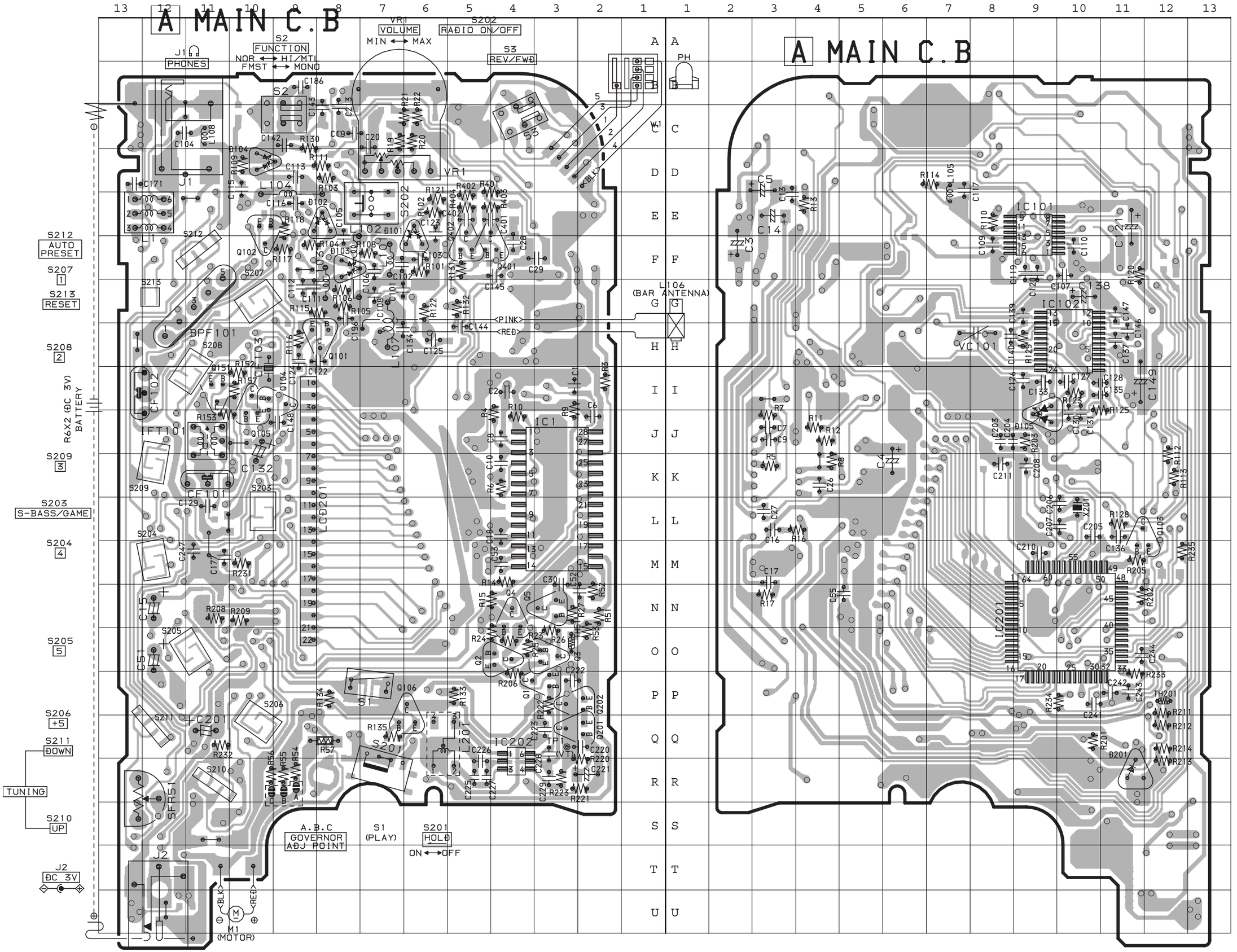
IC, TK11823MTL



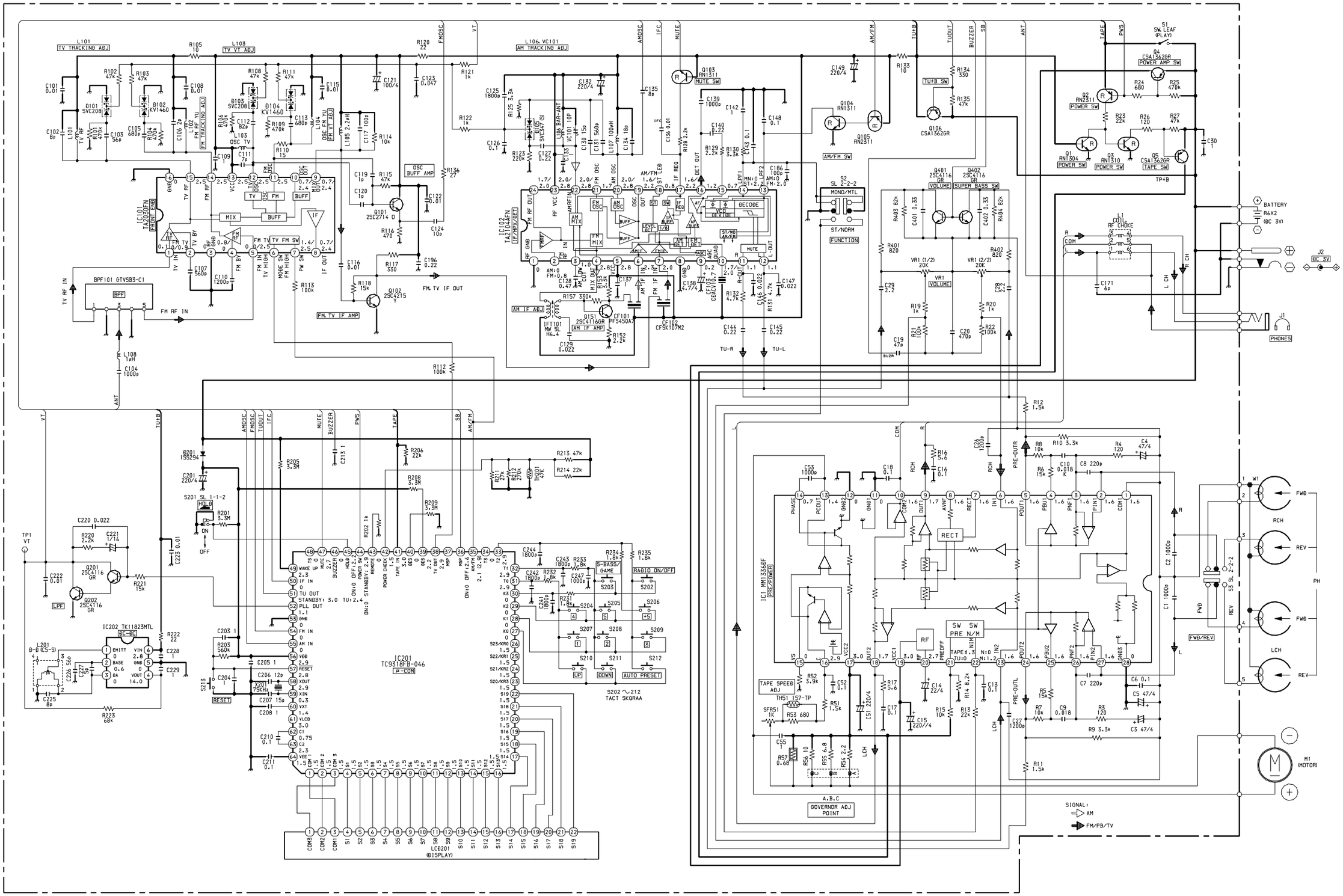
IC DESCRIPTION

IC, TC9318FB-046

Pin No.	Pin Name	I/O	Description
1 ~ 3	COM1 ~ COM3	O	LCD common output.
4 ~ 22	S1 ~ S19	O	LCD segment output.
23 ~ 26	S20/KR3 ~ S23/KR0	-	Not used.
27 ~ 30	K0 ~ K3	I	Key matrix input.
31 ~ 33	T0 ~ T2	O	Key return timing output.
34	T3	O	Key return timing output. (Not used)
35	AM/FM	O	"H": FM/TV/Weather, "L": AM.
36	MSP	O	The output port is used for Super-Bass On/Off.
37	MSP	O	This output port is used for MSP switch. (Not used)
38	TV OUT	O	"H": TV_H or Weather band.
39,40	DES	I	These two ports combined with K0 ~ K3 determine the destination.
41	TAPE IN	I	"H": Tape ON, "L": Tape OFF.
42	POWERCHECK	I	A/D in for power supply voltage level.
43	REMOTE	I	A/D in for remote controller.
44	POWER SW	O	"H": Power OFF, "L": Power ON.
45	HOLD	I	"H": Hold OFF, "L": Hold ON.
46	BUZZER	O	Buzzer output. (Not used)
47	MUTE	O	Mute output.
48	TS	-	Microcontroller test terminal (Not used).
49	WAKEUP	I	Wake up the system from memory back-up mode.
50	IF IN	I	IF frequency input.
51	TU OUT	O	"L": Tuner ON.
52	PLLOUT	O	Phase comparison output.
53	GND	-	GND.
54	FM IN	I	FM oscillator signal input.
55	AM IN	I	AM oscillator signal input.
56	VDD	-	Supply voltage terminal.
57	$\overline{RESET}$	I	System reset input.
58	XOUT	I/O	Crystal oscillator pin.
59	XIN		
60	VXT	-	Power supply for crystal oscillator.
61	VLCD	-	Reference voltage for LCD driver. (Not used)
62, 63	C1,C2	-	Voltage doubler boosting.
64	VEE	-	Constant 1.5V for LCD driver.

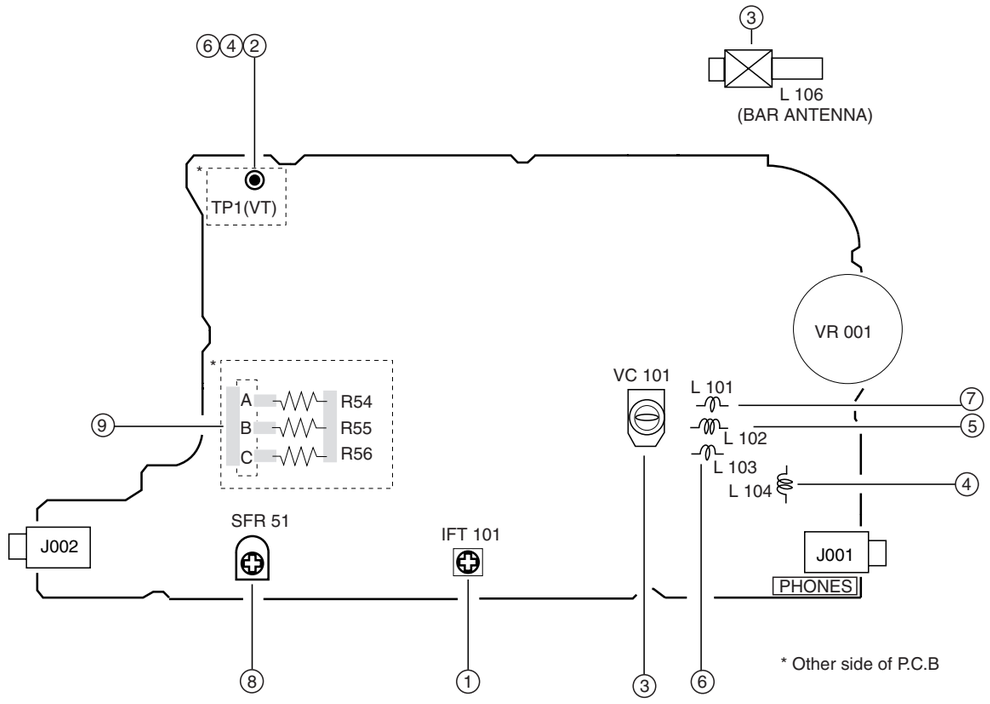

A MAIN C.B
A MAIN C.B
VR1
VOLUME
MIN ↔ MAX
S202
RADIO ON/OFF
S2
FUNCTION
NOR ↔ HI/MTL
FMST ↔ MONO
S3
REV/FWD
J1
PHONES
PH
S212
AUTO PRESET
S207
S213
RESET
S208
S209
S203
S-BASS/GAME
S204
S205
S206
+5
S211
DOWN
TUNING
S210
UP
J2
DC 3V
R6X2 (DC 3V)
BATTERY
L106
(BAR ANTENNA)
BPF101
CF101
CF102
CF103
IFT101
LCD201
IC1
IC101
IC102
IC201
IC202
VC101
X201
S1
(PLAY)
S201
HOLD
ON ↔ OFF
A.B.C
GOVERNOR
ADJ POINT
M1
(MOTOR)
BLK
RED
<PINK>
<RED>
7
8

SCHEMATIC DIAGRAM



ADJUSTMENT

A MAIN C.B



<RADIO SECTION>

1. AM IF Adjustment
   IFT101 ..... 450kHz

2. AM VT Check
   Settings: • Test point: TP1 (VT)
   Method: Set to AM 530kHz and check the TP1 is more than 0.9V. Then set to AM 1710kHz and check the test point is less than 8.5V.

3. AM Tracking Adjustment
   L106 ..... 630kHz
   VC101 ..... 1440kHz

4. FM VT Adjustment
   Settings: • Test point TP1 (VT)
   Adjustment location L104
   Method: Set to FM 59MHz, and adjust L104 so that the test point becomes 1.0V ± 0.05V. Then set to FM108.1MHz and check that the test point is 7.0V ± 1.0V.

5. FM Tracking Adjustment
   L102 ..... 59MHz

6. TV VT Adjustment
   Settings: • Test point TP1 (VT)
   Adjustment location L103
   Method: Set to TV CH1 and adjust L103 so that the test point becomes 1.0V ± 0.05V. Then set to TV CH5 and check that the test point is 8.0V ± 1.0V.

7. TV Tracking Ajustment
   L101 ..... CH1

<TAPE PLAYER SECTION>

8. Tape Speed Adjustment
   Settings: • Test tape : TTA–100
   • Test point : PHONES (J001)
   • Adjustment location : SFR51
   • Super Bass: OFF
   • Tape select: NORM
   • Tape/Radio: Tape
   • Volume: Non-clip (MAX – 10dB down)

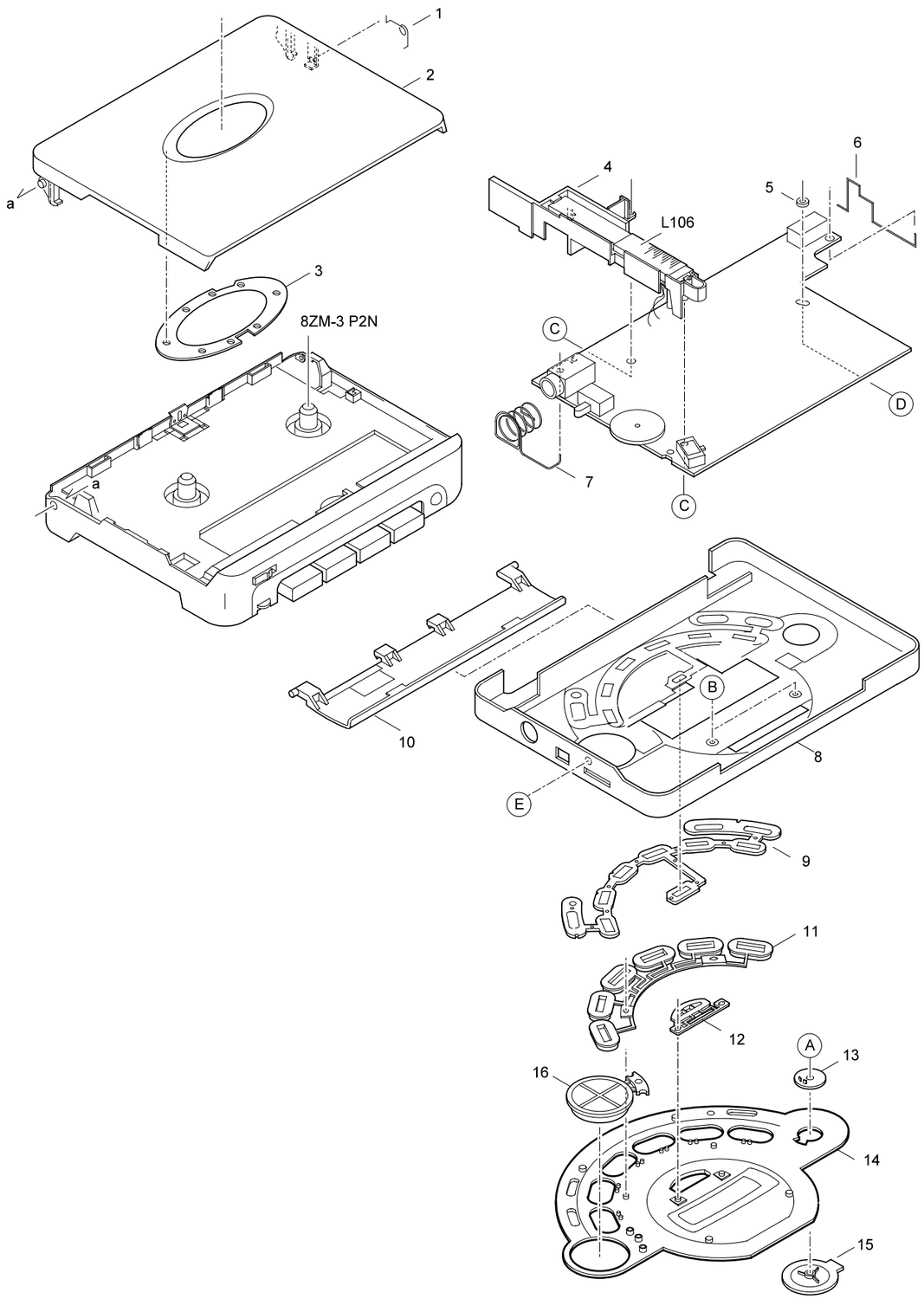
   Method: Play back the test tape and adjust SFR51 for 3000Hz ± 10Hz (FWD) and 3000Hz ± 20Hz (REV). Then confirm WOW is less than 0.50%.

9. GOVERNER Adjustment
   Perform the STOP —> PLAY and REVERSE operations (or PAUSE ON —> OFF) after the motor is replaced. When the tape starts running smooth, this adjustment is not necessary. If wow is conspicuous at the beginning of the tape-run, perform this adjustment following the procedures below.
   1) Solder resistor pattern of the MOTOR AND GOVERNOR MATCHING ADJ. resistor group.
   2) Set the tape speed (using speed adjustment SFR51).
   3) Restrict the motor rotation by hand (or turn PAUSE ON).
   4) Remove your hand and listen to the beginning of the tape-run.
   5) When the rise of tape running is smooth, no more adjustment is necessary.
      If wow continues for 1 to 2 seconds at the rise time, change the combined resistance according to procedure 6 and check that the tape starts running smooth.
   6) Solder the resistor pattern according to the table below

Pattern	(Procedure 1 above)	Step (1)	Step (2)
High resistance (C)	Open	Solder	Solder
Medium resistance (B)	Solder	Solder	Open
Low resistance (A)	Solder	Solder	Solder

   7) Finally re-check the tape speed.
   Caution : Cool the patterns down to normal temperature after soldering. If the pattern remains heated, the gorvernor circuit does not operate normally.

MECHANICAL EXPLODED VIEW 1/1



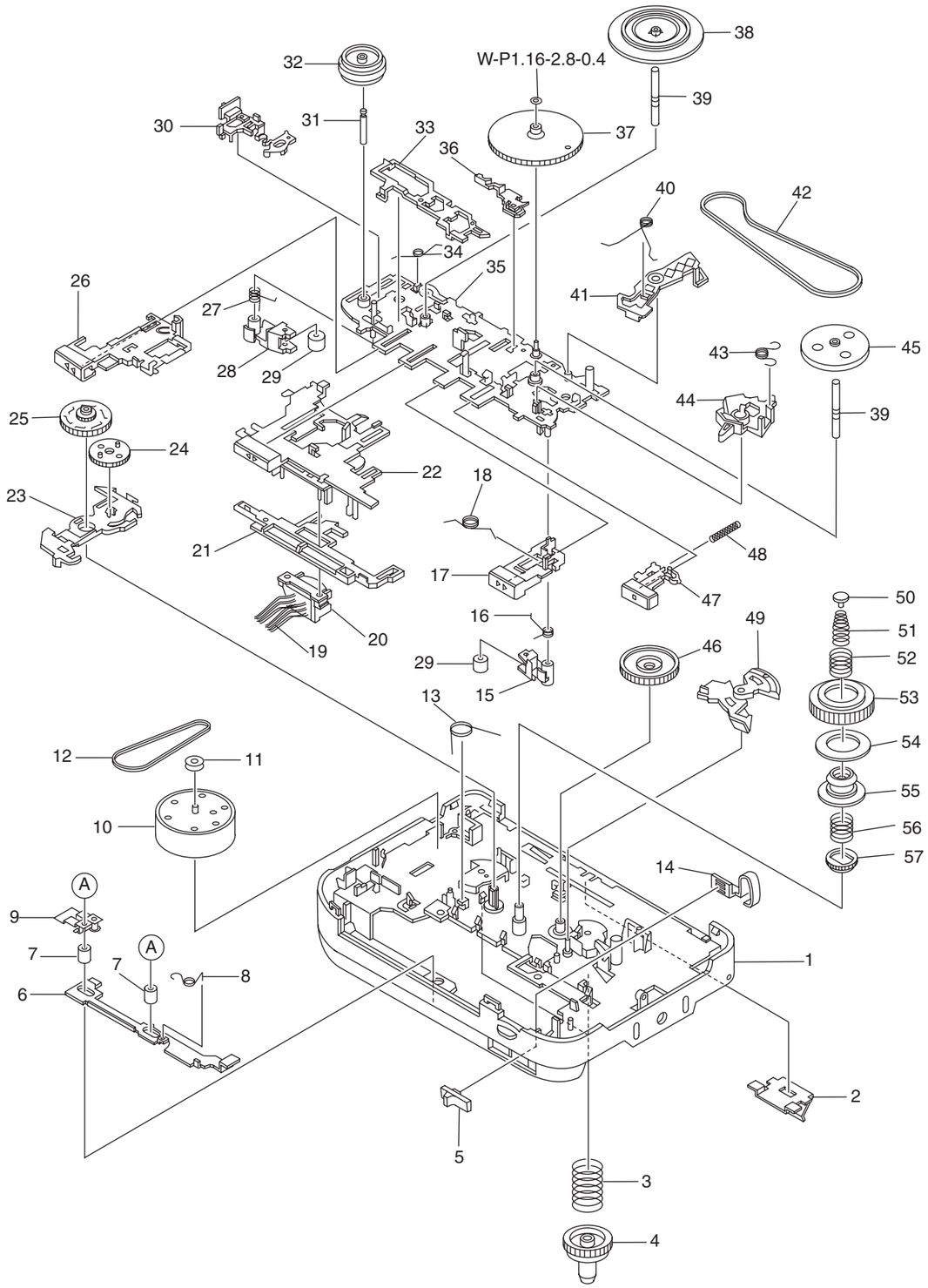
MECHANICAL PARTS LIST 1/1

REF. NO.	PART NO.	KANRI NO.	DESCRIPTION
1	8Z-HRB-217-110		SPR-T,CASS
2	8A-HRB-021-010		LID,CASS
3	8Z-HRB-002-010		WINDOW,CASS
4	8Z-HRB-201-010		HLDR,BAR-ANT
5	8Z-HRB-223-010		W,2-9-0.5 W/ADH
6	8Z-HRB-208-010		BAT-CONTACT,P
7	8Z-HRB-209-010		BAT-CONTACT,M
8	8A-HRB-001-010		CABI,FRONT
9	8A-HRB-006-010		BTN,PRESET
10	8Z-HRB-005-110		LID,BAT SIL
11	8A-HRB-004-010		CAP, PRESET
12	8A-HRB-007-010		CAP, SB
13	8A-HRB-201-010		JOINT,HOLD
14	8A-HRB-002-010		WINDOW,LCD
15	8A-HRB-003-010		KNOB,RTRY HOLD
16	8A-HRB-005-010		CAP, FUNCTION
A	87-067-732-010		TAPPING SCREW, VT1.4-3
B	87-067-384-010		VT2+1.4-3.5 SWCH HL
C	87-B10-196-010		VT2+1.4-4 BLK (3) HL
D	87-264-527-310		V 1.7-3 SCREW
E	87-B10-048-010		VT2+1.4-3 (3) CR HL

COLOR NAME TABLE

Basic color symbol	Color	Basic color symbol	Color	Basic color symbol	Color
B	Black	C	Cream	D	Orange
G	Green	H	Gray	L	Blue
LT	Transparent Blue	N	Gold	P	Pink
R	Red	S	Silver	ST	Titan Silver
T	Brown	V	Violet	W	White
WT	Transparent White	Y	Yellow	YT	Transparent Yellow
LM	Metallic Blue	LL	Light Blue	GT	Transparent Green
LD	Dark Blue	DT	Transparent Orange	GM	Metallic Green
YM	Metallic Yellow				

TAPE MECHANISM EXPLODED VIEW 1 /1



TAPE MECHANISM PARTS LIST 1/1

REF. NO.	PART NO.	KANRI NO.	DESCRIPTION
1	8Z-HRB-003-010		1C FRAME,CENTER GRY
2	8Z-HRB-207-110		SPR-P,CASS
3	88-ZM3-253-110		SPR-C,BT L
4	88-ZM3-274-010		GEAR,REEL A
5	8Z-HRB-014-010		KNOB,SL OPEN
6	8Z-HRB-204-110		LEVER,EJECT
7	8Z-HRB-216-110		CAP, EJECT
8	8Z-HRB-205-010		SPR-T,EJECT
9	8Z-HRB-215-010		SHAFT,ASSY
10	87-A91-379-010		MOT,BCY3B-13
11	88-ZM3-236-010		PULLEY,MOT S
12	88-ZM3-263-210		BELT,S
13	88-ZM3-243-010		SPR-T,PLAY BACK
14	8Z-HRB-206-010		PLATE,EJECT
15	88-ZM3-217-110		ARM,PINCH L
16	88-ZM3-241-010		SPR-T,PINCH L
17	88-ZM3-003-110		LEVER,REW
18	88-ZM3-246-110		SPR-T,FF REW
19	87-A80-115-010		F-CABLE,5P P2
20	87-A91-019-010		HEAD ASSY,PH 8ZM-3
21	88-ZM3-211-010		LEVER,DIR
22	88-ZM3-001-110		LEVER,PLAY
23	88-ZM3-213-110		LEVER,T-UP
24	88-ZM3-225-110		GEAR,PLAY
25	88-ZM3-224-110		GEAR,TRANSMIT
26	88-ZM3-002-010		LEVER,FF
27	88-ZM3-242-110		SPR-T,PINCH R
28	88-ZM3-218-010		ARM,PINCH R
29	88-ZM3-271-010		ROLLER ASSY,PINCH
30	88-ZM3-220-010		BTN,MODE SEL
31	88-ZM3-267-010		SHAFT,PULLEY TWIN
32	88-ZM3-234-010		PULLEY,BELT TWIN
33	88-ZM3-212-010		LEVER,LOCK
34	88-ZM3-245-110		SPR-T,LOCK
35	88-ZM3-201-110		CHAS ASSY,OUTSERT P
36	88-ZM3-216-010		LEVER,SW
37	88-ZM3-221-110		GEAR,AUTO
38	88-ZM3-240-010		FLY-WHL,R S
39	88-ZM3-266-010		CAPSTAN, 1.5-NS
40	88-ZM3-248-010		SPR-T,AUTO CHOOSE
41	88-ZM3-215-010		LEVER,AUTO KICK
42	88-ZM3-262-010		BELT,L
43	88-ZM3-244-010		SPR-T,DIR
44	88-ZM3-219-010		BTN,DIR KNOB
45	88-ZM3-239-010		FLY-WHL,L S
46	88-ZM3-226-010		GEAR,IDLE
47	88-ZM3-004-110		LEVER,STOP
48	88-ZM3-255-110		SPR-C,STOP
49	88-ZM3-214-010		LEVER,AUTO FIND
50	88-ZM3-238-010		CAP,SLIP
51	88-ZM3-252-010		SPR-C,SHIFT
52	88-ZM3-251-210		SPR-C,SLIP
53	88-ZM3-222-010		GEAR,SLIP FAST
54	88-ZM3-269-010		FELT,SLIP
55	88-ZM3-237-010		CLR,SLIP
56	88-ZM3-247-010		SPR-T,AUTO FIND
57	88-ZM3-223-010		GEAR,SLIP SLOW
A	87-067-384-010		SCREWVT1.4-3.5HL

ACCESSORIES / PACKAGE LIST

REF.NO.	PART NO.	KANRI NO.	DESCRIPTION
1	87-B30-319-010		HEADPHONE,HP-M046(S) NECK-BAND
2	8A-HRB-901-010		IB,YU (ESF)IN
3	8Z-HRB-050-110		CLIP,BELT ASSY

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AIWA CO.,LTD. 2-11, IKENOHATA 1-CHOME, TAITO-KU, TOKYO 110, JAPAN TEL:03(3827)3111

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